

## Koch, Kristine

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**From:** Wyatt, Robert <rjw@nwnatural.com>  
**Sent:** Wednesday, February 24, 2016 11:40 AM  
**To:** Koch, Kristine  
**Cc:** Carl Stivers; Jen Mott; Coffey, Scott  
**Subject:** RE: [External]RE: Anchor QEA Sheet Pile and Silt Curtain Unit Cost Buildup Questions

Hi Kristine, we are aiming to get this to you by COB next Tuesday.

Bob

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**From:** Koch, Kristine [Koch.Kristine@epa.gov]  
**Sent:** Wednesday, February 24, 2016 9:54 AM  
**To:** Wyatt, Robert  
**Cc:** Carl Stivers; Jen Mott; Coffey, Scott  
**Subject:** [External]RE: Anchor QEA Sheet Pile and Silt Curtain Unit Cost Buildup Questions

Bob - Just wondering when you were going to provide this information.

Kristine Koch  
Remedial Project Manager  
USEPA, Office of Environmental Cleanup

U. S. Environmental Protection Agency  
Region 10  
1200 Sixth Avenue, Suite 900, M/S ECL-122  
Seattle, Washington 98101-3140

(206)553-6705  
(206)553-8581 (fax)  
1-800-424-4372 extension 6705 (M-F, 8-4 Pacific Time, only)

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**From:** Koch, Kristine  
**Sent:** Monday, February 15, 2016 9:36 AM  
**To:** Bob Wyatt (rjw@nwnatural.com) <rjw@nwnatural.com>  
**Cc:** Carl Stivers <cstivers@anchorqea.com>; Jen Mott <jmott@anchorqea.com>; Coffey, Scott <CoffeySE@cdmsmith.com>  
**Subject:** Anchor QEA Sheet Pile and Silt Curtain Unit Cost Buildup Questions

Bob,

On October 10, 2013, Anchor QEA provided EPA with the attached cost backup information for the Anchor QEA FS (2010). EPA is requesting clarification regarding cost estimate assumptions for the following cost buildups presented in Tables 6 and 7 of the attached file; the information on which EPA is requesting clarification is highlighted in red on Tables 6 and 7.

### Table 6. Temporary Sheetpile Walls:

- Does the “total quantity on proposal” and the “daily production rate” cells (14 LF) represent the horizontal length of the sheet pile wall segments used for the derivation of a per linear foot unit cost?
- The “total quantity on proposal” cell states “3 pairs per day”. What type of sheet pile system (e.g. vertical cantilever wall, anchored wall, etc.) and panel type/weight is assumed, and can the assumption of 3 pairs for this system be clarified as it related to 14 LF?

- The “quantity” cell states “Assume sheets 80’.” Does this represent the vertical dimension of the sheet pile wall? If so, what is the basis for this vertical length in terms of typical water depth, typical depth of sediment embedment, and typical stickup above water level as you assumed it for your Draft FS?

**Table 7. Silt Curtain Installation:**

- Does the “total quantity on proposal” (750 LF) represent the horizontal length of the silt curtain segment used for the derivation of a per linear foot unit cost?
- What type of silt curtain system is assumed (e.g. Type 1 DOT, Type 2 DOT, or Type 3 DOT?).
- There appears to be no information indicated for assumed depth of silt curtain. What is the basis for this vertical length in terms of typical water depth and typical stickup above water level as you assumed it for your Draft FS? Also is this a full length curtain to bottom or a partial “hanging” curtain?

Thanks,

Kristine Koch  
Remedial Project Manager  
USEPA, Office of Environmental Cleanup

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